Appln. Serial No. 10/008,872
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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1   1.   (Original) A wireless transceiver device, comprising:

2   modulation circuitry for modulating and demodulating signals that are transmitted over

3   the airwaves;

4   frequency conversion circuitry for up converting and down converting between radio

5   frequency signals and baseband frequency signals;

6   digital-to-analog conversion circuitry for converting from analog to digital and from

7   digital to analog; a radio controller; and

8   baseband processing circuitry including a first in, first out memory structure for storing

9   addresses for accessing data blocks.

1   2. (Original) The wireless transceiver of claim 1 further including a plurality of command

2   blocks formed within a memory structure, which command blocks include addresses of data

3   blocks stored within random access memory.

1   3. (Original) The wireless transceiver of claim 2 wherein the first in, first out memory

2   structure includes pointers that define addresses of the command blocks.

1   4. (Original) The wireless transceiver of claim 2 further forming a memory portion for

2   storing an indicator for indicating whether a command block is in use.

1   5. (Currently amended) The wireless transceiver of claim 1 wherein the modulation

2   circuitry includes ~~GPSK~~ Gaussian Phase Shift Keying modulation and demodulation circuitry.

1   6. (Currently amended) The wireless transceiver of claim 1 wherein the frequency

2   conversion circuitry converts directly between ~~RF~~ radio frequency and baseband.

4

1   7. (Original) A method for storing and transmitting data, comprising:

2   storing a data block in random access memory; and

3   storing a pointer that corresponds to the data block in a first in, first out memory

4   structure.

1   8. (Original) The method of claim 7 wherein the pointer comprises an address of a

2   command block.

1   9. (Original) The method of claim 8 further including the step of storing an address of the

2   data block in the command block.

1   10. (Original) The method of claim 9 further including the step of setting a signal in a

2   defined memory location, which signal indicates that the address in the command block is for

3   data that has yet to be successfully transmitted and therefore that the command block is busy.

1   11. (Original) The method of claim 10 wherein an address for a data block is only stored

2   in a command block if an indicator reflects that the command block does not contain the address

3   of a data block that has yet to be successfully transmitted.

1   12. (Original) The method of claim 7 further including the step of evaluating a command

2   block address stored within a FIFO pointer.

1   13. (Original) The method of claim 12 further including examining the contents of the

2   command block specified by the pointer to determine a data block address.

1   , 14. (Original) The method of claim 13 further including the step of evaluating at least the

2   first memory location of the data block whose address is specified in the command block to

3   determine the size of the data block.

5

1   15. (Original) The method of claim 14 further including the step of retrieving an amount

2   of data corresponding to the size data block specified in claim 14 and transmitting that data to a

3   radio modem for transmission over a wireless airwaves.

1   16. (Original) The method of claim 15 further including the step of resetting the indicator

2   signal if the transmission was successful.

1   17. (Original) A memory structure formed within a baseband processing system,

2   comprising: a random access memory portion for storing data blocks that are to be transmitted in

3   a first in, first out order; and a first in, first out memory structure for storing pointers that

4   correspond to the data blocks.

1   18. (Original) The memory structure of claim 17 wherein a plurality of command blocks

2   are defined within the random access memory wherein each command block is for specifying an

3   address of a data block that is to be transmitted.

1   19. (Original) The memory structure of claim 18 further including a defined memory

2   portion for storing command block indicators for each command block, which indicators specify

3   whether its corresponding command block includes the address of a data block that has yet to be

4   transmitted successfully.

1   20. (Original) The memory structure of claim 19 wherein the memory portions for storing

2   the indicators are each one bit in length.

1   21. (Original) The memory structure of claim 18 wherein the memory portions for storing

2   the command blocks are each four bytes in length.

1   22. (Original) The memory structure of claim 17 wherein the first in, first out memory

2   structure defines a plurality of first in, first out memory blocks wherein each first in, first out

3   memory relates to data blocks that are to be transmitted to a particular device.